AMPEX

CASE HISTORIES

Instructional Applications

BROADCAST VIDEOTAPE RECORDERS

TELEVISION STATION AT SAN BERNARDINO VALLEY COLLEGE SERVES VARIED EDUCATIONAL NEEDS

San Bernardino Valley College operates a television station and teleproduction facility which serves many varied educational needs of the entire county. Included are programming for school children in all districts in the county, evening junior college courses, in-service teacher and other professional training, plus programs from the National Educational Television Network. The facility also plays an important role in the radio and television courses taught at the college. Three videotape recorders are used for production averaging 10 to 15 hours, and broadcasting, averaging 45 hours per week. Videotape provides the ease of production and scheduling flexibility essential to this multifaceted endeavor.

EDUCATIONAL TELEVISION BROADCASTING: Forty-Five Hours Per Week

Operating for the past three and one half years at the San Bernardino Valley College, a UHF television station (KVCR-TV, Channel 24) answers the many varied educational needs of the entire San Bernardino County. The college also operates an FM station, KCVR-FM. The television service is used to provide classroom programing for children in 28 school districts, in-service teacher and other professional training, college radio and television courses, evening junior college courses, and to play back approximately 12 hours of programs from the National Educational Television Network. College sports are also carried on the station, including basketball, wrestling and swimming.

The facility is staffed by a full time manager, program manager, continuity editor, program director, artist, chief engineer, three technicians and a secretary. In addition, a pool of 20 full time students assist in station operation as part of their training in the television and radio courses offered by the university.

Video tape room showing recorders at San Bernardino Valley College.

Distribution of educational materials is by broadcasting on channel 24 with three additional translators for channels 70, 75, and 77 to ensure complete coverage throughout the entire San Bernardino County. In total, some 45 hours are broadcast each week. On the San Bernardino campus itself, several buildings are connected with a cable distribution system.

INSTRUCTIONAL PROGRAMS: A Variety of School and Adult Materials

For school children in the 28 school districts in the county, a variety of classroom instructional materials are broadcast each day. Typical subjects are Spanish, math, social studies, science adventures, language arts, music, art, and news. In an average week, a total of 110,000 students receive classroom instruction via the broadcasts from San Bernardino Valley College. In the afternoon several in-service programs for teachers are broadcast, such as training in Spanish and math teaching. These are normally broadcast at 3:30 each afternoon three times a week for use by teachers in the many school districts in the county. Several other in-service courses for other professions in the county are also broadcast. These include courses in fire science for local fire departments, and related codes and ordinances. Programs have also been produced and broadcast on income tax for the adult audience.

During the early evening a series of junior college courses are offered in conjunction with the extension service of the college. These include economics, hygiene, political science, biology, and similar courses.

NATIONAL EDUCATIONAL TELEVISION PROGRAMS: Twelve Hours of Programming Each Week

Another important service performed by the television facility of the college, is the broadcast of programs received from the National Educational Television Network. These include many of the current events, music, opera, history, drama, and feature programs from the National Educational Television Network.

Puppet and instructor during teleproduction of the "Sounds Fun" program.

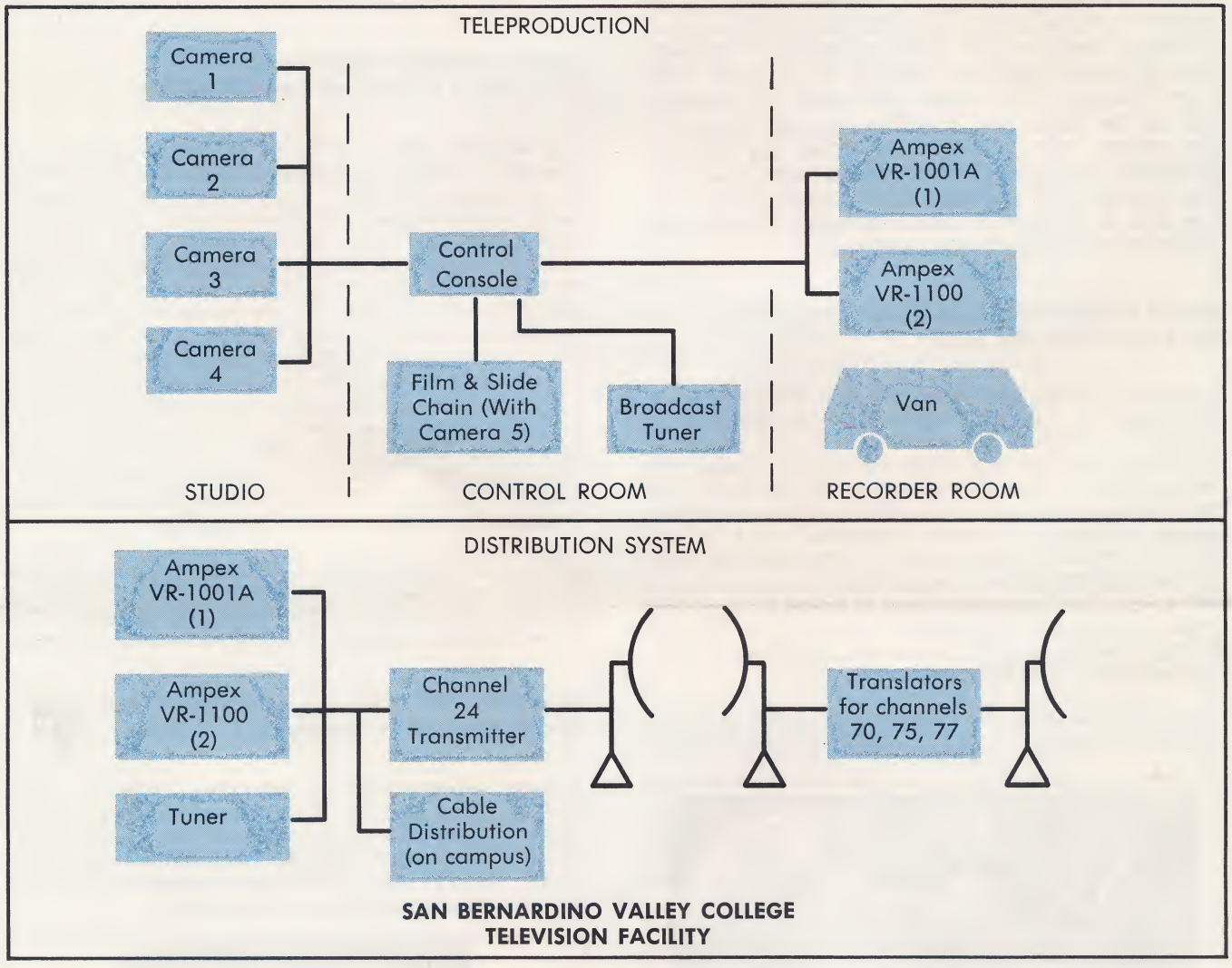
RADIO AND TELEVISION COURSES: A Complete College Curriculum

San Bernardino Valley College offers a complete two year course leading to an Associate of Arts degree in telecommunications. An average of 50 students each year receive a one year curriculum in FM station operation and production techniques followed by a second year in television station operation and production. All students receive training in the actual operations of the television station.

PROGRAM PRODUCTION: Ten to Fifteen Hours of New Programs Each Week

Production of new programs at the college include tapes of science materials for the elementary schools, art, reading (primary level for the first and second grade), speech, remakes of existing tapes for all of the elementary and junior college courses, and several programs produced for in-service teacher and other professional training. Production facilities include a complete teleproduction center with studio, studio lighting, control room and a mobile van equipped with one of the videotape recorders. In total three videotape recorders are used, one Ampex VR-1001A and two Ampex VR-1100 Videotape recorders. Two image orthicon cameras are used during production, backed up by two vidicons, with much of the camera and control room work being done by students in the radio and television course. A fifth camera is used with a film and slide chain.

On-site mobile production is an important part of the production capability of the San Bernardino Valley College television facility. Typical on-site mobile recording has been done with the recorder equipped van in the tapes made for the fire department in service training at various fire houses in the county. Other mobile recording is done frequently for the sporting events of the college. On the average remote recording is done two or three times each week.



SAN BERNARDINO VALLEY COLLEGE TELEVISION FACILITY

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